

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
AVANIR.112AAPPLICATION NO.  
10/661,296INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Jagadish C. Sircar, et alFILING DATE  
September 12, 2003GROUP  
1614

(USE SEVERAL SHEETS IF NECESSARY)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
OL	5,124,336	6/23/92	Bru-Magniez, et al.			
OL	5,322,847	6/21/94	Marfat et al.			
OL	6,093,728	7/25/00	McMahon, et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OL	EP 1 125 936A2	8/22/01	EP	C07D	471/04		
OL	EP 415 886 A2	8/22/90	EP (German Text; Abstract attached)	C07D	471/04		
OL	EP 0385 850A2	2/27/90	EP (French text; Abstract attached)	C07D	401/14		

EXAMINER  
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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EXAMINER NS

DATE CONSIDERED 11/09/06

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
NL	6,537,994	3/25/03	Ashwell, et al			

## FOREIGN PATENT DOCUMENTS

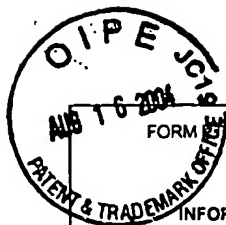
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						YES	NO

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EXAMINER INITIAL	

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EXAMINER <i>NL</i>	DATE CONSIDERED <i>11/09/06</i>
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SHEET 1 OF 1

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
SK	1	3,985,891	10/12/76	E. Kutter, et al. (This is the U.S. patent corresponding to DE 2,305,339)			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SK	2	EP 0 700 906 A1	3/13/96	EP				

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
SK	3	T. Inoue, et al., "Preparation of Isoquinoline and isochroman derivatives for treating virus infectious diseases", Chemical Abstracts 139:307690, STN Search Accession No. 2003:796470	
SK	4	P.K. Dubey, et al., "Studies on the condensation of 2,3 -pyridinediamines with 2-phenyl -3, 1-benzoxazine-4 (H) -one". Chemical Abstracts 131:322578, STN Search Accession No. 1999:580827	

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# SUPPLEMENTAL INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

AUG 07 2003

SHEET 1 OF 1

Application No.	10/661,296
Filing Date	September 12, 2003
First Named Inventor	Jagadish C. Sircar, et al.
Art Unit	1614
Examiner	Shaojia A. Jiang
Attorney Docket No.	AVANIR.112A

### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear


### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
NR	1	WO 2004/024896 A3	03-25-2004			

### NON PATENT LITERATURE DOCUMENTS

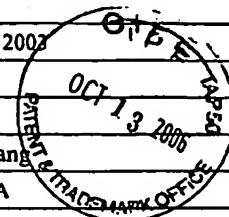
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/661,296
	Filing Date	September 12, 2003
	First Named Inventor	Sircar et al.
	Art Unit	1614
SHEET 1 OF 5		Examiner: Shaojia A. Jiang Attorney Docket No.: AVANIR.112A



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SW	1.	US 4,510,158	04-09-1985	Bailey	
	2.	US 4,582,837	04-15-1986	Hauel et al.	
	3.	US 4,696,931	09-29-1987	Hauel et al.	
	4.	US 5,017,467	05-01-1991	Masukawa et al.	
	5.	US 5,380,865	01-10-1995	Cramp et al.	
	6.	US 5,643,893	07-01-1997	Benson et al.	
	7.	US 5,712,392	01-27-1998	Thurkauf, et al.	
	8.	US 5,821,258	10-13-1998	Matsunanaga, et al.	
	9.	US 5,935,983	08-10-1999	Muller-Gliemann et al	
	10.	US 6,100,283	08-08-2000	Griffin, et al.	
	11.	US 6,100,282	08-08-2000	Alig, et al.	
	12.	US 6,153,631 A	11-28-2000	Petrie et al.	
	13.	US 6,271,390 B1	08-07-2001	Sircar et al.	
	14.	US 6,271,249	08-07-2001	Romine, et al.	
	15.	US 6,288,101	09-11-2001	Glennon	
	16.	US 6,303,645 B1	10-16-2001	Sircar et al.	
	17.	US 2002/0010343	01-24-2002	Sircar et al.	
	18.	US 6,369,091 B1	04-09-2002	Sircar et al.	
	19.	US 6,387,938 B1	05-14-2002	Mizuguchi et al.	
	20.	US 6,451,829	09-17-2002	Sircar et al.	
	21.	US 2002/0132808	09-19-2002	Sircar et al.	
	22.	US 6,486,153	11-26-2002	Castro-Pineiro, et al.	
	23.	US 2003/0004203	01-02-2003	Sircar et al.	
	24.	US 6,503,938	01-07-2003	Von Angerer, et al.	
	25.	US 6,509,365	01-21-2003	Lubisch et al.	
	26.	US 2003/0100582	05-29-2003	Sircar et al.	
	27.	US 6,759,425	07-06-2004	Sircar et al.	
	28.	US 2004/0180946	09-16-2004	Sircar et al.	
	29.	US 2004/0214821	10-28-2004	Sircar et al.	


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	First Named Inventor	Sircar et al.
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SHEET 2 OF 5	Attorney Docket No.	AVANIR.112A

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OK	30.	US 2004/0229927	11-18-2004	Sircar et al.	
	31.	US 2005/0075343	04-07-2005	Sircar et al.	
	32.	US 6,911,462	06-28-2005	Sircar et al.	
	33.	US 6,919,366	07-19-2005	Sircar et al.	
	34.	US 2005/0197375	09-08-2005	Sircar et al.	
	35.	US 2005/0256179	11-17-2005	Sircar et al.	
OK	36.	US 2005/0277686	12-15-2005	Sircar et al.	

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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
OK	37.	EP 0 221 146 A1	05-13-1987	Ryskamp		Abstract
	38.	EP 0 221 346 A1	05-13-1987	Conner et al.		
	39.	EP 0 232 199 A2	08-12-1987	Shroot et al.		Abstract
	40.	EP 0 353 606 A2	02-07-1990	Nakayama et al.		
	41.	EP 0 469 477 A1	02-05-1992	O'Donnell et al.		
	42.	EP 0 497 564 A1	08-05-1992	Ashton et al.		
	43.	EP 0 694 535 A1	01-31-1996	Bruns et al.		
	44.	EP 0 700 906 A1	03-13-1996	Watson et al.		
	45.	EP 0 719 765 A2	07-03-1996	Matsunaga et al.		
	46.	EP 1 077 700 A1	02-28-2001	Sircar et al.		
	47.	WO 89 06975	08-10-1989	Coffman et al.		
	48.	WO 90 09989	09-07-1990	Makovek et al.		
	49.	WO 92 02500	02-20-1992	Hasegawa et al.		
	50.	WO 93 25517	12-23-1993	Beeley et al.		
	51.	WO 98 17267	04-30-1998	Orme et al.		
	52.	WO 98 47890	10-29-1998	Carter et al.		
OK	53.	WO 98 56761	12-17-1998	Drach et al.		

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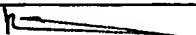
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Nh	54.	WO 99 61013 A1	12-02-1999	Sircar et al.		
	55.	WO 99 61019 A1	12-02-1999	Sircar et al.		
	56.	WO 99 61020 A1	12-02-1999	Sircar et al.		
	57.	WO 00 26192 A1	05-11-2000	Lubisch et al.		
	58.	WO 00 29384 A1	05-25-2000	Lubisch et al.		
	59.	WO 00 32579 A1	06-08-2000	Lubisch et al.		
	60.	WO 00 64878 A1	11-02-2000	Lubisch et al.		
	61.	WO 00 68206 A1	11-16-2000	Lubisch et al.		
	62.	WO 01 12169 A2	02-22-2001	Camden		
	63.	WO 01 14342 A1	03-01-2001	Anderskewitz et al.		
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	65.	WO 02 072539 A1	09-19-2002	Haning et al.		
	66.	WO 02 072574 A1	09-19-2002	Filliers et al.		
	67.	WO 02 72090	09-19-2002	Sircar et al.		Abstract
	68.	SU 1316559 (Russia)	06-21-1983	Khauel et al.		Abstract of U.S. Equivalent
	69.	JP 06 263993-A	09-01-1994	Tanaka et al.		Abstract
NL	70.	CL 1693-2000	2000	Chile		Abstract not Available

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
NL	71.	Related pending U.S. Patent Application No. 10/661,139, filed September 12, 2003. Title: Phenyl-Indole Compounds for Modulating IgE and Inhibiting Cellular Proliferation. Inventors: Jagadish C. Sircar et al.	
NL	72.	Related pending U.S. Patent Application No. 10/795,006, filed March 5, 2004. Title: Benzimidazole Compounds for Modulating IgE and Inhibiting Cellular Proliferation. Inventors: Jagadish C. Sircar et al.	
NL	73.	Related pending U.S. Patent Application No. 10/821,667, filed April 9, 2004. Title: Imidazole Derivatives for Treatment of Allergic and Hyperproliferative Disorders. Inventors: Jagadish C. Sircar et al.	

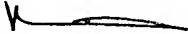
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NA	74.	Related pending U.S. Patent Application No. 10/915,722, filed August 9, 2004. Title: Selective Pharmacologic Inhibition of Protein Trafficking and Related Methods of Treating Human Diseases. Inventors: Jagadish C. Sircar et al.	
	75.	Related pending U.S. Patent Application No. 10/508,968, filed September 24, 2004. Title: Use of Benzimidazole Analogs in the Treatment of Cell Proliferation. Inventors: Jagadish C. Sircar et al.	
	76.	Related pending U.S. Patent Application No. 10/951,515, filed September 28, 2004. Title: Benzimidazole Derivatives as Modulators of IgE. Inventors: Jagadish C. Sircar et al.	
	77.	Related pending U.S. Patent Application No. 11/168,711, filed June 28, 2005. Title: Benzimidazole Compounds for Regulating IgE. Inventors: Jagadish C. Sircar et al.	
	78.	Manecke et al., Über Polyamide mit 2,4-Imidazolidiyl-Bausteinen, Die Makromolekulare Chemie 176, pgs. 3551-3563 (1975), 4/29/1975, Institut für Organische Chemie der Freien Universität Berlin, D-1 Berlin 33	
	79.	Cheney B V, et al., "Structure-activity Correlations for a Series of Antiallergy Agents. 3. Development of a Quantitative Model," Journal of Medicinal Chemistry, vol. 26, No. 5, 1983, pp. 726-737.	
	80.	Pozdnyakov et al., "Mass Spectrometric Study of Dissociative Ionization of Low-molecular Models of Aromatic Polyamides," Khim. Vys. Energ. (1987), 21(1), 38-44 Coden: Khvkao; ISSN: 0023-1193, 1987.	
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	82.	Database Crossfire Beilstein 'Online', Beilstein Institut zur Forderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Beilstein Registry Number 563073 & Khim. Farm. ZH., Vol. 22, No. 6, 1988, pgs. 697-699.	
	83.	Karag'ozov S, "Synthesis of N-acyl Derivatives of 6-amio-1-4-benzodioxane," STN International, Vol. 39, No. 1989 pp. 5-8, Abstract only.	
	84.	Masukawa et al., Calplus 111:31259 (EP 304856, 3/1/89)	
	85.	Denny W A et al., "Potential antitumor agents. 59. Structure-activity relationships for 2-phenylbenzimidazole-4-carboxamides, a new class of "minimal" DNA-intercalating agents which may not act via topoisomerase II", Journal of Medicinal Chemistry, Vol. 33, No. 2, February 1990, pgs. 814-819.	
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	87.	Timothy F. Gallagher, et al., "2,4,5-Triarylimidazole Inhibitors of IL-1 Biosynthesis," Bioorganic & Medicinal Chemistry Letters, Vol. 5, No. 11, pp. 1171-1176, 1995	
NA	88.	Ashton et al., "New Low-Density Lipoprotein Receptor Upregulators Acting via a Novel Mechanism," Journal of Medicinal Chemistry, Vol. 39, Jan. 1, 1996, pp. 3343-3356.	

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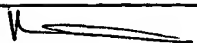
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NK	89.	Krieg et al., ber einige neue Imidazolderivate, Chem. Ber. 100, pgs. 4042 – 4049 (1967), 6/28/97, Jahrg. 100, Aus dem Institut für Organische Chemie der Freien Universität Berlin, Berlin-Dahlem	
	90.	Kreimeyer A et al., "Suramin analogues with a 2-phenylbenzimidazole moiety as partial structure; potential anti HIV-and angiostic drugs, 2: Sulfanilic acid, benzenedisulfonic, and naphthalenetrisulfonic acid analogues" Archi Der Pharmazie, Vol. 331, no. 3, March 1998, pgs. 97-103.	
	91.	Japanese Application No. 10273013, entitled Antagonist for Gonadotrophic Hormone-Releasing Hormone, filed on September 28, 1998, English abstract only.	
	92.	Database Caplus 'Online! Chemical Abstracts Service, Columbus, Ohio, US; Database accession no. 2000:214835 & JP 2000 095767 (Takeda Chemical Industries, Ltd.), April 4, 2000.	
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	94.	Chilean Office Action with Search Report for the Chilean counterpart of the U.S. Patent Application No. 10/795,006.	
NK	95.	Chemical structure database (CA, CAPLUS, CHEMCATS) search results for bis-5,4'-dibenzanilide-2- phenylbenzimidazole (Registry Number 98806-53-2)	

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